

sketch.ino

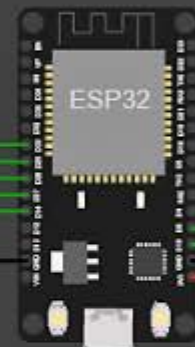
diagram.json

libraries.txt

Library Manager

Simulation

```
51
52 TempAndHumidity data=dhtsensor.getTempAndHumidity();
53 float temp=data.temperature;
54 float humid=data.humidity;
55 Serial.print("Temperature: ");
56 Serial.print(temp);
57 Serial.println(" °C");
58 Serial.print("Humidity: ");
59 Serial.print(humid);
60 Serial.println(" %");
61 if(temp>=45 && humid<33){
62   PublishData2(temp);
63   PublishData1(temp,humid);
64   myStepper.step(stepsPerRevolution);
65   digitalWrite(14, HIGH);
66   tone(2,3000,1000);
67   Serial.println("Fire detected: Water shower ON");
68 }
69 else if(temp>=45 && humid<66){
70   PublishData2(temp);
71   PublishData1(temp,humid);
72   tone(2,3000,1000);
73   digitalWrite(14,HIGH);
74 }
75
76 else{
77   digitalWrite(14, LOW);
78   PublishData1(temp,humid);
79 }
80 if(!client.loop()){
```



Connecting to...

WIFI CONNECTED

IP address:

10.10.0.2

Reconnecting tolfq5we.messaging.internetofthings.ibmcloud.com

iot-2/cmd/test/fmt/String

subscribe to cmd ok

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```



```

publish ok
Temperature: 44.60 °C
Humidity: 32.00 %
Sending payload:{"temp":44.60,"humid":32.00}
publish ok
Temperature: 53.10 °C
Humidity: 27.50 %
Sending payload:{"alert":53.10}
publish ok
Sending payload:{"temp":53.10,"humid":27.50}
publish ok
Fire detected: Water shower ON
Temperature: 53.10 °C
Humidity: 27.50 %
Sending payload:{"alert":53.10}
publish ok
Sending payload:{"temp":53.10,"humid":27.50}
publish ok
Fire detected: Water shower ON

```


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```



Humidity: 24.00 %
Sending payload:{"temp":-8.50,"humid":24.00}
publish ok
Temperature: -8.50 °C
Humidity: 24.00 %
Sending payload:{"temp":-8.50,"humid":24.00}
publish ok
Temperature: -8.50 °C
Humidity: 64.00 %
Sending payload:{"temp":-8.50,"humid":64.00}
publish ok
Temperature: -8.50 °C
Humidity: 64.00 %
Sending payload:{"temp":-8.50,"humid":64.00}
publish ok
Temperature: 41.40 °C
Humidity: 78.00 %
Sending payload:{"temp":41.40,"humid":78.00}
publish ok
Temperature: 41.40 °C





Block A

Temperature: 53.1

Humidity: 27.5

Visit Website

[node-red-oglpj-2022-10-24.eu-gb.mybluemix.net/ui/#!/0?](#)

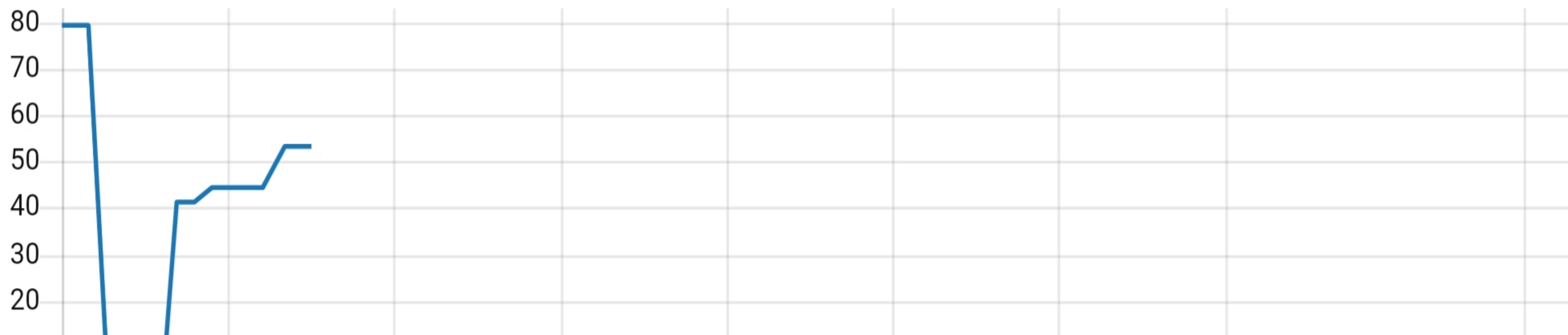
2



Fire Safety System

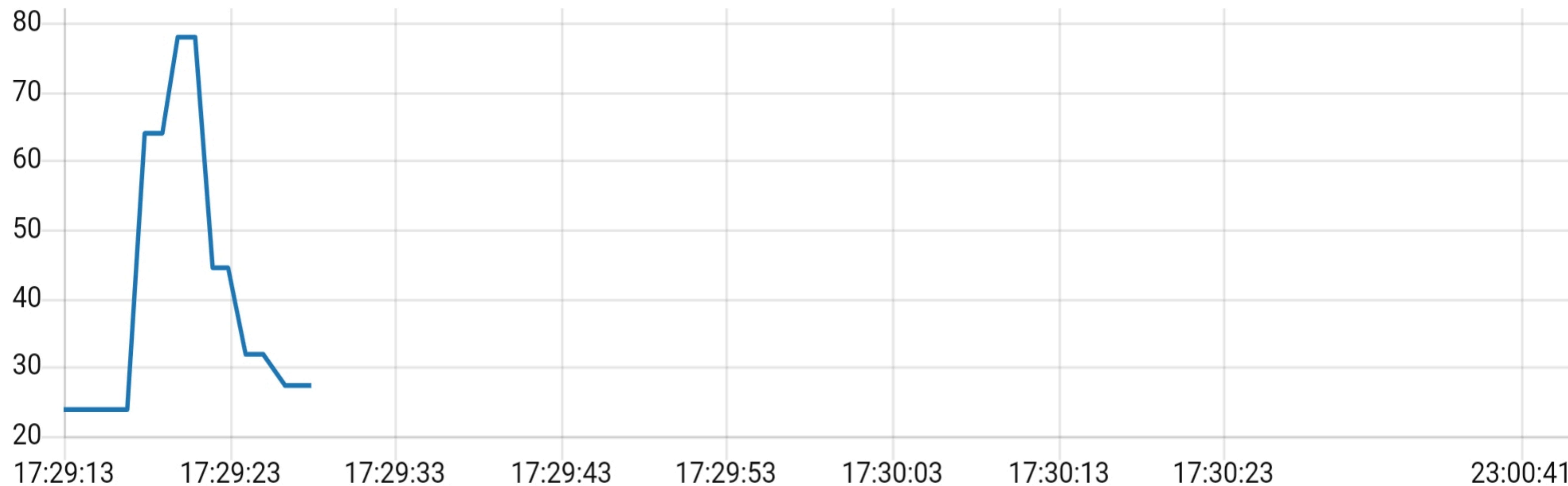
Block A

Room Temperature



Fire Safety System

Humidity



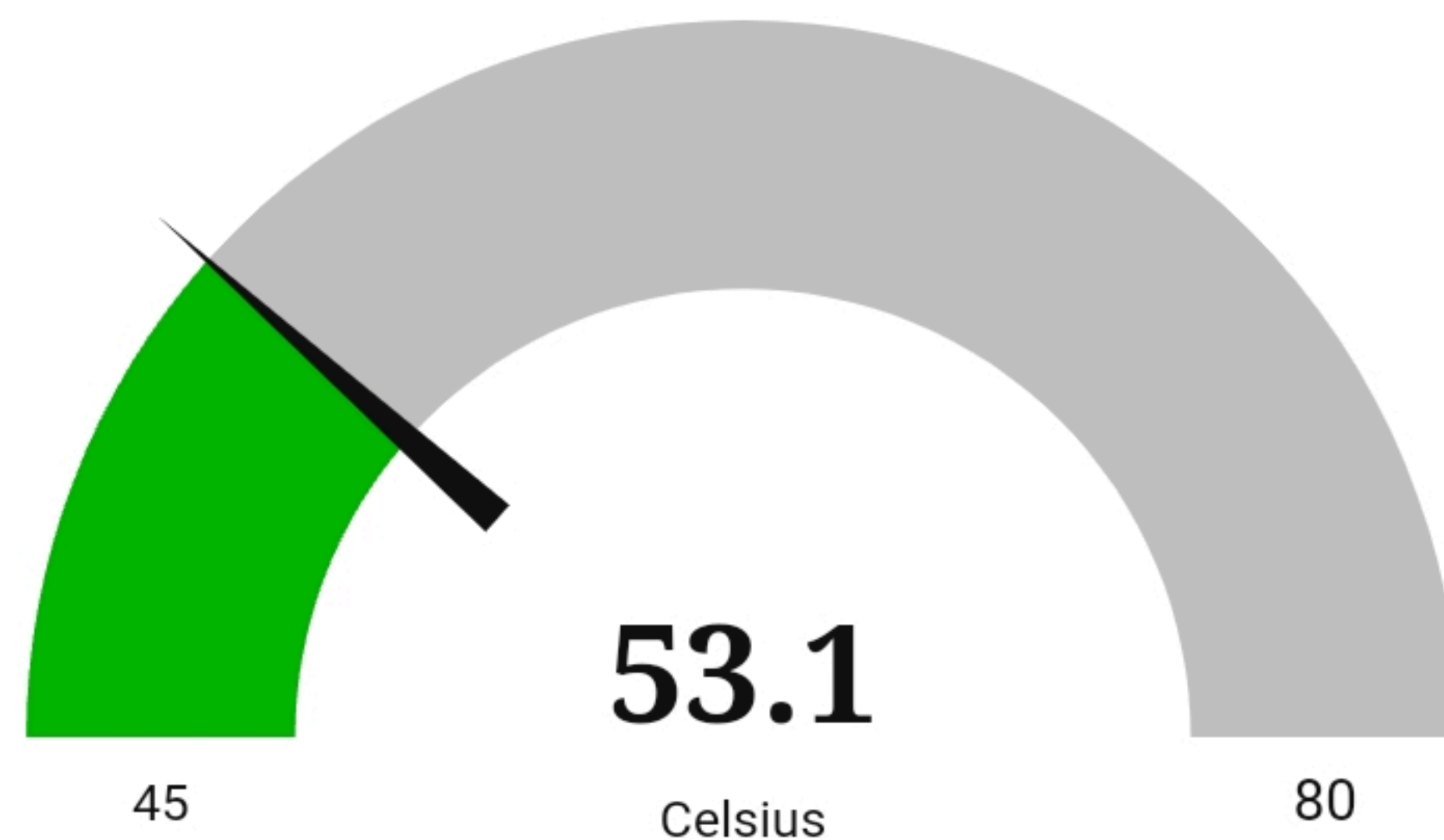
11:01 PM

2.2KB/s VoLTE 4G 51

node-red-oglpj-2022-10-24.eu-gb.mybluemix.net/ui/#!/0?

Fire Safety System

Temperature Meter



11:01 PM

1.1KB/s VoLTE 4G 51

node-red-oglpj-2022-10-24.eu-gb.mybluemix.net/ui/#!/0?

+ 2

Fire Safety System

Humidity Meter

